

## PRODUCT-DETAILS

# S202M-C20

## Miniature Circuit Breaker - S200M - 2P - C - 20 ampere



### Общая информация

|                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Тип расширенного изделия        | S202M-C20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Идентификационный номер изделия | 2CDS272001R0204                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Европейский товарный код (EAN)  | 4016779550314                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Описание в каталоге             | Miniature Circuit Breaker - S200M - 2P - C - 20 ampere                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Длинное описание                | System pro M compact S200M miniature circuit breakers are current limiting. They have two different tripping mechanisms, the delayed thermal tripping mechanism for overload protection and the electromechanic tripping mechanism for short circuit protection. They are available in different characteristics (B,C,D,K,Z), configurations (1P,1P+N,2P,3P,3P+N,4P), breaking capacities (up to 10 kA at 230/400 V AC) and rated currents (up to 63A). All MCBs of the product range S200M comply with IEC/EN 60898-1 and IEC/EN 60947-2, allowing the use for residential, commercial and industrial applications. Bottom-fitting auxiliary contact can be mounted on S200M to save 50% space. |

### Technical

|                                |                                                              |
|--------------------------------|--------------------------------------------------------------|
| Стандарты                      | IEC/EN 60898-1<br>IEC/EN 60947-2                             |
| Количество полюсов             | 2                                                            |
| Количество защищенных полюсов  | 2                                                            |
| Характеристики расцепления     | C                                                            |
| Номинальный ток ( $I_n$ )      | 20 A                                                         |
| Номинальное рабочее напряжение | acc. to IEC 60898-1 400 V AC<br>acc. to IEC 60947-2 440 V AC |
| Номинальное                    | 400 V AC                                                     |

|                                                                                                |                                                                                                                                                                                                         |
|------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| напряжение ( $U_r$ )                                                                           |                                                                                                                                                                                                         |
| Потери мощности                                                                                | 5 W<br>at Rated Operating Conditions per Pole 2.5 W                                                                                                                                                     |
| Номинальное<br>напряжение изоляции ( $U_i$ )                                                   | acc. to IEC/EN 60664-1 440 V                                                                                                                                                                            |
| Operational Voltage                                                                            | Maximum (Incl. Tolerance) 125 V DC<br>Maximum (Incl. Tolerance) 440 V AC<br>Maximum 440 V AC<br>Maximum 125 V DC<br>Minimum 12 V AC<br>Minimum 12 V DC                                                  |
| Номинальная частота (f)                                                                        | 50 Hz<br>60 Hz                                                                                                                                                                                          |
| Номинальный<br>выдерживаемый ток<br>короткого замыкания ( $I_{cn}$ )                           | (400 V AC) 10 kA                                                                                                                                                                                        |
| Номинальная<br>предельная<br>отключающая<br>способность при<br>коротком замыкании ( $I_{cu}$ ) | (230 V AC) 25 kA<br>(440 V AC) 15 kA                                                                                                                                                                    |
| Номинальная рабочая<br>отключающая<br>способность при<br>коротком замыкании ( $I_{cs}$ )       | (230 V AC) 7.5 kA                                                                                                                                                                                       |
| Energy Limiting Class                                                                          | 3                                                                                                                                                                                                       |
| Overvoltage Category                                                                           | III                                                                                                                                                                                                     |
| Степень загрязнения                                                                            | степень загрязнения 3                                                                                                                                                                                   |
| Номинальное<br>выдерживаемое<br>импульсное напряжение<br>( $U_{imp}$ )                         | 4 kV<br>(6.2 kV @ sea level)<br>(5.0 kV @ 2000 m)                                                                                                                                                       |
| Испытательное<br>напряжение изоляции                                                           | 50/60 Hz, 1 min: 2 kV                                                                                                                                                                                   |
| Материал корпуса                                                                               | Insulation Group II, RAL 7035                                                                                                                                                                           |
| Actuator Material                                                                              | Insulation Group II, Black, Sealable                                                                                                                                                                    |
| Actuator Marking                                                                               | I / O                                                                                                                                                                                                   |
| Contact Position<br>Indication                                                                 | Red ON / Green OFF                                                                                                                                                                                      |
| Степень защиты                                                                                 | IP20                                                                                                                                                                                                    |
| Замечания                                                                                      | IP40 in enclosure with cover                                                                                                                                                                            |
| Electrical Endurance                                                                           | 20000 AC цикл<br>20000 цикл                                                                                                                                                                             |
| Тип клемм                                                                                      | Клеммы с винтовым зажимом                                                                                                                                                                               |
| Тип винтовых клемм                                                                             | Failsafe Bi-directional Cylinder-lift Terminal                                                                                                                                                          |
| Сечение подключаемого<br>кабеля                                                                | Busbar 10 / 10 mm <sup>2</sup><br>Гибкий с зажимом 0.75 ... 25 mm <sup>2</sup><br>Гибкий 0.75 ... 25 mm <sup>2</sup><br>Жесткий 0.75 ... 35 mm <sup>2</sup><br>Многожильный 0.75 ... 35 mm <sup>2</sup> |
| Крутящие моменты<br>затяжки                                                                    | 2.8 N·m                                                                                                                                                                                                 |
| Рекомендуемый<br>инструмент (отвертка)                                                         | Pozidriv 2                                                                                                                                                                                              |
| Монтаж на DIN-рейке                                                                            | Монтажная рейка 35 x 7,5 мм<br>Монтажная рейка 35 x 15 мм                                                                                                                                               |
| Монтажное положение                                                                            | Any                                                                                                                                                                                                     |
| Built-In Depth ( $t_2$ )                                                                       | 69 mm                                                                                                                                                                                                   |
| Installation Size                                                                              | acc. to DIN 43880 1                                                                                                                                                                                     |
| Power Supply Connection                                                                        | Arbitrary                                                                                                                                                                                               |

## Environmental

|                                                             |                                                                 |
|-------------------------------------------------------------|-----------------------------------------------------------------|
| Температура окружающей среды                                | Работа с компенсацией -25 ... +55 °C<br>Хранение -40 ... +70 °C |
| Reference Ambient Air Temperature                           | 30 °C                                                           |
| Ударопрочность согласно МЭК 60068-2-27                      | 25g / 2 shocks / 13 ms                                          |
| Вибропрочность согласно МЭК 60068-2-6                       | 5g, 20 cycles at 5 ... 150 ... 5 Hz with load 0.8 In            |
| Environmental Conditions                                    | 28 cycles<br>with 55 °C / 90-96 %<br>and 25 °C / 95-100 %       |
| Правила ограничения содержания вредных веществ. RoHS статус | Following EU Directive 2011/65/EU                               |

## Technical UL/CSA

|                                    |                                                               |
|------------------------------------|---------------------------------------------------------------|
| Maximum Operating Voltage UL/CSA   | 125 V DC<br>480Y/277 V AC                                     |
| Connecting Capacity UL/CSA         | Busbar 14-8 AWG<br>Conductor 14-4 AWG                         |
| Tightening Torque UL/CSA           | 18 in-lb                                                      |
| Interrupting Rating acc. to UL1077 | (125 B DC) 10 kA<br>(277 V AC) 6 kA<br>(480Y / 277 V AC) 6 kA |

## Dimensions

|                        |         |
|------------------------|---------|
| Чистая ширина изделия  | 35 mm   |
| Чистая толщина изделия | 69 mm   |
| Чистая высота изделия  | 88 mm   |
| Чистый вес изделия     | 0.25 kg |

## Container Information

|                                |                 |
|--------------------------------|-----------------|
| Package Level 1 Units          | carton 5 штука  |
| Package Level 1 Width          | 92 mm           |
| Package Level 1 Depth / Length | 183 mm          |
| Package Level 1 Height         | 80 mm           |
| Package Level 1 Gross Weight   | 1.3 kg          |
| Package Level 1 EAN            | 4016779605717   |
| Package Level 2 Units          | carton 60 штука |
| Package Level 2 Width          | 275 mm          |
| Package Level 2 Depth / Length | 400 mm          |
| Package Level 2 Height         | 210 mm          |
| Package Level 2 Gross Weight   | 15.4 kg         |
| Package Level 2 EAN            | 4016779977302   |

## Ordering

|                          |          |
|--------------------------|----------|
| Минимальный объем заказа | 1 штука  |
| Номер таможенного тарифа | 85362010 |
| E-Number (Sweden)        | 2101228  |
| E-Number (Finland)       | 3210799  |

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### Certificates and Declarations (Document Number)

|                                                                |                 |
|----------------------------------------------------------------|-----------------|
| Декларация о соответствии - CE                                 | 2CDK403001D0607 |
| Экологическая информация                                       | 2CDK400030D0201 |
| Инструкции и руководства                                       | 2CDS207104P0001 |
| Правила ограничения содержания вредных веществ.RoHS информация | 2CDK400003K0203 |

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### Popular Downloads

|                          |                 |
|--------------------------|-----------------|
| Технические данные       | 9AKK107046A0423 |
| Инструкции и руководства | 2CDS207104P0001 |

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### Classifications

|                                                                  |                                            |
|------------------------------------------------------------------|--------------------------------------------|
| Код классификации объекта                                        | F                                          |
| ETIM 6                                                           | EC000042 - Miniature circuit breaker (MCB) |
| ETIM 7                                                           | EC000042 - Miniature circuit breaker (MCB) |
| ETIM 8                                                           | EC000042 - Miniature circuit breaker (MCB) |
| е-класс                                                          | V11.0 : 27141901                           |
| Универсальная стандартная классификация товаров и услуг (UNSPSC) | 39121614                                   |

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### Accessories

| Identifier      | Description                            | Type          | Quantity | Unit Of Measure |
|-----------------|----------------------------------------|---------------|----------|-----------------|
| 2CDS200922R0001 | S2C-S/H6R - Signal / Auxiliary Contact | S2C-S/H6R     | 1        | piece           |
| 2CDS200912R0001 | S2C-H6R - Auxiliary Contact            | S2C-H6R       | 1        | piece           |
| 2CDS200936R0001 | S2C-H11L - Auxiliary Contact           | S2C-H11L      | 1        | piece           |
| 2CDS200936R0002 | S2C-H20L - Auxiliary Contact           | S2C-H20L      | 1        | piece           |
| 2CDS200936R0003 | S2C-H02L - Auxiliary Contact           | S2C-H02L      | 1        | piece           |
| 2CDS200946R0001 | S2C-H6-11R - Auxiliary Contact         | S2C-H6-11R    | 1        | piece           |
| 2CDS200946R0002 | S2C-H6-20R - Auxiliary Contact         | S2C-H6-20R    | 1        | piece           |
| 2CDS200946R0003 | S2C-H6-02R - Auxiliary Contact         | S2C-H6-02R    | 1        | piece           |
| 2CDS200909R0001 | S2C-A1 - Shunt Trip                    | S2C-A1        | 1        | piece           |
| 2CDS200909R0002 | S2C-A2 - Shunt Trip                    | S2C-A2        | 1        | piece           |
| 2CSS200911R0001 | S2C-UA 12 DC - Undervoltage release    | S2C-UA 12 DC  | 1        | piece           |
| 2CSS200911R0002 | S2C-UA 24 AC - Undervoltage release    | S2C-UA 24 AC  | 1        | piece           |
| 2CSS200911R0003 | S2C-UA 48 AC - Undervoltage release    | S2C-UA 48 AC  | 1        | piece           |
| 2CSS200911R0004 | S2C-UA 110 AC - Undervoltage release   | S2C-UA 110 AC | 1        | piece           |
| 2CSS200911R0005 | S2C-UA 230 AC - Undervoltage release   | S2C-UA 230 AC | 1        | piece           |
| 2CSS200911R0006 | S2C-UA 400 AC - Undervoltage release   | S2C-UA 400 AC | 1        | piece           |
| 2CSS200911R0007 | S2C-UA 24 DC - Undervoltage release    | S2C-UA 24 DC  | 1        | piece           |
| 2CSS200911R0008 | S2C-UA 48 DC - Undervoltage release    | S2C-UA 48 DC  | 1        | piece           |
| 2CSS200911R0009 | S2C-UA 110 DC - Undervoltage release   | S2C-UA 110 DC | 1        | piece           |
| 2CSS200911R0010 | S2C-UA 230 DC - Undervoltage release   | S2C-UA 230 DC | 1        | piece           |
| 2CSS201997R0013 | S2C-CM1 - Motor operating device       | S2C-CM1       | 1        | piece           |
| 2CSS203997R0013 | S2C-CM2/3 - Motor operating device     | S2C-CM2/3     | 1        | piece           |
| 2CSS204997R0013 | S2C-CM4 - Motor operating device       | S2C-CM4       | 1        | piece           |
| GHS2001901R0003 | S2C-DH - Mechanical Accessories        | S2C-DH        | 1        | piece           |
| 2CSS200998R0001 | S2C-BP - Mechanical tripping device    | S2C-BP        | 1        | piece           |
| 2CSS200999R0001 | S2C-EST - Plug-in base                 | S2C-EST       | 1        | piece           |
| 2CDS200918R0001 | S2C-NT - Hand Operated Neutral         | S2C-NT        | 1        | piece           |
| 2CCA880100R0001 | CMS-100PS Sensor                       | CMS-100PS     | 1        | piece           |
| 2CCA880101R0001 | CMS-101PS Sensor                       | CMS-101PS     | 1        | piece           |
| 2CCA880102R0001 | CMS-102PS Sensor                       | CMS-102PS     | 1        | piece           |

## Категории

Низковольтное оборудование → Модульные устройства на ДИН-рейку → Модульные автоматические выключатели

